

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover ~~for covering~~ molded around said electromagnetic device body with a molding pressure,

~~wherein said cover member protects~~ protecting said coil from ~~being directly subjected to~~ said molding pressure when said cover is formed by injection molding, by covering said coil molded around said cover member.

2. (withdrawn): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin; and

a conductor wound around said bobbin and coated with an outer coating,

wherein said bobbin is composed of a material having lubricating characteristics with respect to the material of said outer coating.

3. (withdrawn): An electromagnetic device according to Claim 2, wherein said bobbin is made of a polytetrafluoroethylene.

4. (withdrawn): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin;

a conductor wound around said bobbin and coated with an outer coating; and

a material having lubricating characteristics deposited on a surface of said bobbin.

5. (withdrawn): An electromagnetic device according to Claim 4, wherein said material having lubricating characteristics is silicon.

6. (withdrawn): An electromagnetic device according to Claim 4, wherein said material having lubricating characteristics is an oil.

7. (canceled).

8. (previously presented): An electromagnetic device according to Claim 1, wherein the thickness of an outer coating of said conductor exceeds the size of a flash produced on said bobbin.

9. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is a motor.

10. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is a transmission control valve.

11. (previously presented): An electromagnetic device according to claim 1, wherein the electromagnetic device is used in a case containing oil.

12. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin; and

a conductor wound around said bobbin and coated with an outer coating,

wherein the thickness of said outer coating of said conductor exceeds the size of a flash produced on said bobbin; ~~An electromagnetic device according to claim 7,~~

wherein said outer coating comprises:

an insulating layer which is made of enamel formed over the conductor; and

a welding layer which is made of thermoset epoxy formed over the insulating layer; and

~~an insulative layer which is made of enamel.~~

13. (previously presented): An electromagnetic device according to claim 12, further comprising:

a plurality of adjacent conductors, wherein said welding layer bonds said plurality of adjacent conductors to each other.

14. (canceled).

15. (previously presented): An electromagnetic device according to claim 1, wherein a tip of a flash of the bobbin does not reach the conductor due to a thickness of said outer coating.

16. (previously presented): An electromagnetic device according to claim 1, further comprising:

a pair of coils opposing each other,

wherein said pair of coils are enclosed by the cover member.

17. (previously presented): An electromagnetic device according to claim 1, wherein said cover member is cylindrical in shape.

18. (currently amended): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover ~~for covering~~ molded around said electromagnetic device body with a molding pressure,

wherein said cover member comprises a means for protecting said coil from being directly subjected to molding pressure when said cover is formed by injection molding, by covering said coil.

AMENDMENT UNDER 37 C.F.R. § 1.111
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19. (new): An electromagnetic device used in a case containing oil, said
electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a
bobbin and a cover member enclosing said coil; and

a cover molded around said electromagnetic device body with a molding pressure,

said cover member having a material strength sufficient to protect said coil from being
directly subjected to said molding pressure when said cover is molded around the cover member.